Public Information Handout No. 31-D

Riparian (Stream Side) Vegetation



Tree Species	Method of Propagation	Habitat Value	Form and Size	Rooting Character	Soils Preference	Planting Distance
Bigleaf Maple Acer macrophyllum	seedlings	forage, nesting, and hiding cover; hydrologic benefits; large woody debris and organic matter input to streams and forest floor	Mature height of 100 feet	shallow roots	Moist-dry soil, sun-part shade	10' apart
Black Cottonwood Populus trichocarpa	cuttings	Same as above Fast grower; binds loose soils; high water intake	Mature height of 150 feet	Shallow, fibrous roots	Wet-moist soil; sun	10' apart
Douglas-Fir Pseudotsuga menziesii	seedlings	Forage, nesting, and hiding and thermal cover; long-lived; hydro. benefits	Mature height of 250 feet	Shallow roots	Moist-dry soil; sun	10' apart
Red Alder Alnus rubra	Seedlings; cuttings, suckers	Forage, nesting, and hiding cover; Nitrogen fixer, hydro. Benefits, LWD and OM input	Mature height of 80-120 feet	Shallow, strong, lateral roots	Moist-dry soil; sun-shade	10' apart
Western Hemlock Tsuga heterophylla	Seedlings, foliage	Forage, nesting, and hiding and thermal cover; long-lived, hydro. Benefits LWD inputs denning habitat	Mature height of 200-250 feet	Shallow roots	Moist soil; shade	10' apart
Western Red Cedar <i>Thuja plicata</i>	Seedlings	Same as above	Mature height of 200-250 feet	Shallow roots	Moist-wet soil: shade	10' apart

Shrub Species	Method of Propagation	Habitat Value	Form and Size	Rooting Character	Soils Preference	Planting Distance
Black Twinberry Lonicera involucrata	Cuttings	Forage and hiding cover	Spreading shrub to 10 feet	Shallow, spreading roots	Wet-moist soil; shade	4'-6' apart
Cascara Rhamnus purshiana	Cuttings	Forage, hiding, and nesting cover, hydro. Benefits; LWD and OM input to streams and forest floor	Large shrub or tree to 30 feet	Shallow roots	Moist-dry soil; sun- shade	4'-6' apart
Douglas Spiraea Spiraea douglasii	Divisions; suckers; root cuttings; cuttings	Forage, nesting, and hiding cover; OM input	Dense shrub to 7 feet	Extensive, fibrous roots	Wet-well drained soil; sun-shade	4'-6' apart
Hazelnut Corylus cornuta	Seeds; suckers	Forage, nesting, and hiding cover	Shrub to 15 feet	Extensive, branching roots	Moist-dry soil; sun-shade	4'-6' apart

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Indian Plum Oemleria cerasiformis	Seeds; cuttings	Same as above	Sparse shrub to 15 feet	Shallow, spreading roots	Moist-dry soil; sun-shade	4'-6' apart
Mock Orange	Cuttings; layers	Same as above	Shrub to 15 feet	Fibrous roots	Moist-dry soil	4'-6' apart
Oceanspray Holodiscus discolor	Seeds	Forage, nesting, and hiding cover	Shrub to 10 feet	Shallow, spreading roots	Moist-dry soil; sun-part shade	4'-6' apart
Pacific Ninebark Physocarpus capitatus	Cuttings	Same as above	Sparse shrub to 20 feet	Shallow, lateral roots	Moist-well drained soil; sun- shade	4'-6' apart
Red Elderberry Sambucus racemosa	Cuttings from 2 nd year wood, root cuttings, seed	Same as above	shrub to 20 feet	Fibrous; strong adentitous roots	Moist-dry soil; sun-shade	4'-6'apart
Red-osier Dogwood Cornus stolonifera	Cuttings; layers	Forage, nesting, and hiding cover; LWD and OM input streams and forest floor	Shrub to 20 feet	Shallow, strong lateral fibrous roots; spreads by rootstocks	Wet-well drained soil; sun-shade	6'-8' apart
Salmonberry Rubus spectabilis	Divisions, cuttings, root cuttings	Forage, nesting, and hiding cover	Ground cover and shrubs to 10 feet	Shallow, fibrous trailing branches, set roots	Wet-dry soil; sun-shade	4'-6' apart
Serviceberry Amelanchier alnifolia	Suckers; seedling	Same as above	Shrub or small tree to 30 feet	Deep, spreading roots	Well drained dry soil; sun	4'-6' apart
Sitka Alder Alnus sinuata	Seedlings; cuttings; suckera	Forage, nesting, and hiding cover; LWD & OM input; Nitrogen fixer	Shrub to 25 feet	Shallow, extensive roots	Moist soil	6'-8' apart
Snowberry Symphoricarpose albus, Symphoricarpos mollis	Suckers, cuttings	Forage, nesting, and hiding cover	Densse shrub; albus to 3 feet; mollis to 1 foot	Extensive branching, fibrous roots, spreads by rootstocks	Moist-well drained soil; sun- shade	4'-6' apart
Tall Oregon Grape Berberis aquiflium	Cuttings, layers	Same as above	Shrub to 7 feet	Deep, rhizomatous roots, spreads by rootstocks	Well-drained soil; sun-shade	4'-6' apart
Vine Maple Acer circinatum	2 nd year wood placed horizontally; seedlings	Forage, nesting, and hiding cover, LWD and OM input hydro benefits	Shrub or small tree to 35 feet	Spreading, moderately deep roots	Moist-dry soils, sun-partial shade	4'-6' apart
Wild Rose Rosa nutkana	Stem cuttings; root cuttings; layers	Forage, nesting, and hiding cover	Sparse to dense shrubs to 4 feet	Poor for erosion control	Dry-moist soils; sun-partial shade	4'-6' apart
Willow Salix spp.	cuttings	Forage, nesting, and hiding cover; LWD and OM input; hydro benefits; high water intake; binds loose soils	Shrubs or trees to 40 feet	Shallow, extensive roots	Moist-wet soils; sun	4'-6' apart